PDR RID Report

Date Last Modified 7/17/95
Originator Lyn Oleson
Phone No 605-594-6164
Organization EDC DAAC
E Mail Address oleson@edcserver1.cr.usgs.gov
Document PDR

RID ID PDR 400
Review SDPS
Originator Ref Processing Planning
Priority 2

Section **Page** **Figure** **Table**

Category Name Design-Planning **Actionee** HAIS
Sub Category
Subject Comparison of different candidate processing plans

Description of Problem or Suggestion:

The PDR materials did not adequately address operations scenarios and system functionality for candidate planning. A significant area of discussion that was missing involves the information and tools that allow DAAC management to understand the overall production effectiveness of any particular candidate plan. For example, the number of granules of product X and product Y from one candidate versus the number of X, Y and Z granules from an alternate plan.

Originator's Recommendation

Expand upon the description of the operational scenarios and corresponding functional capabilities of the system to support the generation and comparison of a number of alternate candidate plans.

GSFC Response by: **GSFC Response Date**

HAIS Response by: Suhrstedt **HAIS Schedule** 4/21/95
HAIS R. E. J. Martin **HAIS Response Date** 6/30/95

The ability of the Planning Subsystem to support comparison of candidate plans will be described in detail in the Release A SDPS Planning Subsystem Design Specification to be provided at CDR. It will describe reporting capabilities which will allow summary statistics to be generated for each individual candidate plan. These statistics will include the number of a product's granules which are predicted to be generated over a given time period and the final completion date/time for a production request, if it is to complete within the plans time frame. Metrics like these can then be compared between plans to assess which plan best satisfies the goals of the DAAC.

It is acknowledged that there may be other metrics which might help in the comparison of candidate plans (e.g. resource idle time, total throughput rate, etc.) The value of these, above the DAAC judgment of a plan, can be discussed when working with the DAACs to refine the types of candidate plan reporting made available. This type of reporting is expected to be primarily dynamically defined through variations on database queries.

Status **Closed** **Date Closed** **7/17/95** **Sponsor** **Kempler**

****** **Attachment if any** ******